

Medications

CSTE DSWG Data Element Specific Team

07/12/2024



Council of State and Territorial Epidemiologists

Please mute phone/ headset/ computer audio!

Agenda

- Welcome & Announcements
- Medication data element discussion and polling
- Extra medication data element discussion
- Next Steps
- Wrap-Up & Adjourn

DEST Opportunities for Participation



- The Data-element Specific Team (DEST) Interest Sign-Up sheet has been updated to include known future data classes:
 - Identifiers
 - Second call 7/19
 - Laboratory
 - First call 8/9
 - Reporting Source
 - First call 8/16
 - Race/Ethnicity/Tribal Affiliation
 - Social Determinants of Health

Link to Sign-Up sheet:

<https://app.smartsheet.com/b/form/3da89d48bda94fc7a33c4a8a505fe54a>

If you have signed up previously but feel you are not getting the emails/meeting invites that you expected to get, please reach out directly to llane@jmmichael-consulting.com.

- Upcoming DSWG drafts:
 - Exposures, Risk Factors, and Underlying Conditions
 - Signs, Symptoms, and Clinical Manifestations
 - Disability

Meeting ground rules



- Discussion Guidelines
 - "Raise" your hand
 - Use the chat to provide feedback and ask questions
 - When called, state your name and affiliation
 - Stay on point, be brief, and within the context of the discussion in progress
 - 80/20 consensus
 - Co-Chairs/moderators' prerogative to move the discussion forward as needed
 - [Post-meeting survey](#) provided for additional input
 - Be courteous and be open to new ideas
- **Active participation encouraged for all!**
 - Chats, voting, comments, etc.
 - Includes STLT jurisdictions + CDC Programs + CSTE, etc.

In-scope vs Out-of-scope



What this is:

- Discussion about data elements/classes which are:
 - collected at the jurisdiction and sent to CDC for surveillance purposes
 - Abstracted, calculated, or derived from a combination of electronic sources, patient interviews and chart abstractions
- Collaborative consensus building about the best ways to approach the transmission of public health data in a standardized way

What this is not:

- Discussion of data elements for research studies
- Recommendations for public facing surveys
- Limitations on what can be collected for a data element within a jurisdiction
- Recommendations for how to ask about data elements in a case interview
- Implementation guidance

Medication Data Elements



Medications only – pulse check



- Today's call is medications only and excludes non-pharmaceutical treatments, medical devices, and other procedures.
- Currently **most** information in message mapping guides is related directly to medications.

Medications: Current State



- Cholera and Vibriosis - Foodborne and Diarrheal Disease mmg

Data Element Name	Data Element Description	Data Type	Value Set Name
Antibiotic used for current illness	Did the subject take antibiotics for this illness?	Coded	Yes No Unknown (YNU)
START: Treatments Repeating Questions			
Name Of The Antibiotic Used For Current Illness	If antibiotics were taken, provide the names of antibiotics	Coded	Antibiotics (FDD)
Date of Start of Treatment or Therapy	Date Treatment Started	Date	N/A
Date of End of Treatment or Therapy	Date Treatment Stopped	Date	N/A
END: Treatments Repeating Question			

Medications: Current State



- STD MMG

Data Element Name	Data Element Description	Data Type	Value Set Name
START: Treatment Repeating Block			
Medication	Medication	Coded	Medication Treatment (STD)
Medication Dose	Medication dose	Numeric	N/A
Medication Dosage Unit	Medication dosage unit	Coded	Dose Unit (STD)
Date Treatment Prescribed	Date treatment prescribed	Date	N/A
Date Medication Started	Date the medication was initiated.	Date	N/A
Medication Route	Medication route	Coded	Medication Route (STD)
Medication Frequency	Medication frequency	Numeric	N/A
Medication Frequency Unit	Medication frequency unit	Coded	Medication Frequency Unit (STD)
Medication Duration	Medication duration	Numeric	N/A
Duration Units	Duration units	Coded	Duration Units (STD)
END: Treatment Repeating Block			

Proposed Data Element: Medication Indicator



Data Element	Definition	Value Set
Medication Indicator	Indicator that the person was prescribed medication for treatment of this condition	Yes No Unknown

Proposed Data Elements: Medication Repeating Group



Data Element	Definition	Value Set
Medication Name	Name of medication received for this condition	RxNorm
Medication Status	Status of Medication	Prescribed Administered/Taken Unknown
Date Medication Prescribed	Date medication prescribed	N/A (Date)
Medication Prescribed Duration	Prescribed Duration (in days) of medication	N/A (Numeric)
Date Medication Started	Date the medication was started	N/A (Date)
Date Medication Ended	Date the medication was ended	N/A (Date)

Medications: Core Surveillance?



Discussion Point:

- Are medications (as a general data class) something that should be included in a core surveillance data set?
 - E.g., should something related to medications be included in a GenV3 MMG? Or should this be kept to condition-specific MMGs?

Poll 1 – Medications as Core?



Do you think that there should be medication questions included as a core surveillance concept for transmission to CDC?

- Yes
- No
- Unsure

Proposed Data Element: Medication Indicator



Data Element	Definition	Value Set
Medication Indicator	Indicator that the person was prescribed medication for treatment of this condition	Yes No Unknown

Discussion Points:

- Should this data element be recommended for core surveillance?
- Would this be helpful preceding a proposed medications repeating group?

Proposed Data Element: Medication Repeating Group



Discussion Points:

- Does the suggested Medication Repeating Group, as shown in the next slide, reflect a reasonable, standard base for any required medication information?
 - As core surveillance?
 - As a standard base for any condition-specific case notification requirements?

Proposed Data Elements: Medication Repeating Group



Data Element	Definition	Value Set
Medication Name	Name of medication received for this condition	RxNorm
Medication Status	Status of Medication	Prescribed Administered/Taken Unknown
Date Medication Prescribed	Date medication prescribed	N/A (Date)
Medication Prescribed Duration	Prescribed Duration (in days) of medication	N/A (Numeric)
Date Medication Started	Date the medication was started	N/A (Date)
Date Medication Ended	Date the medication was ended	N/A (Date)

Poll 4 – Medication Repeating

Group data elements



Which of the following data elements should be included as part of a standardized medication repeating group?

(Select all that apply.)

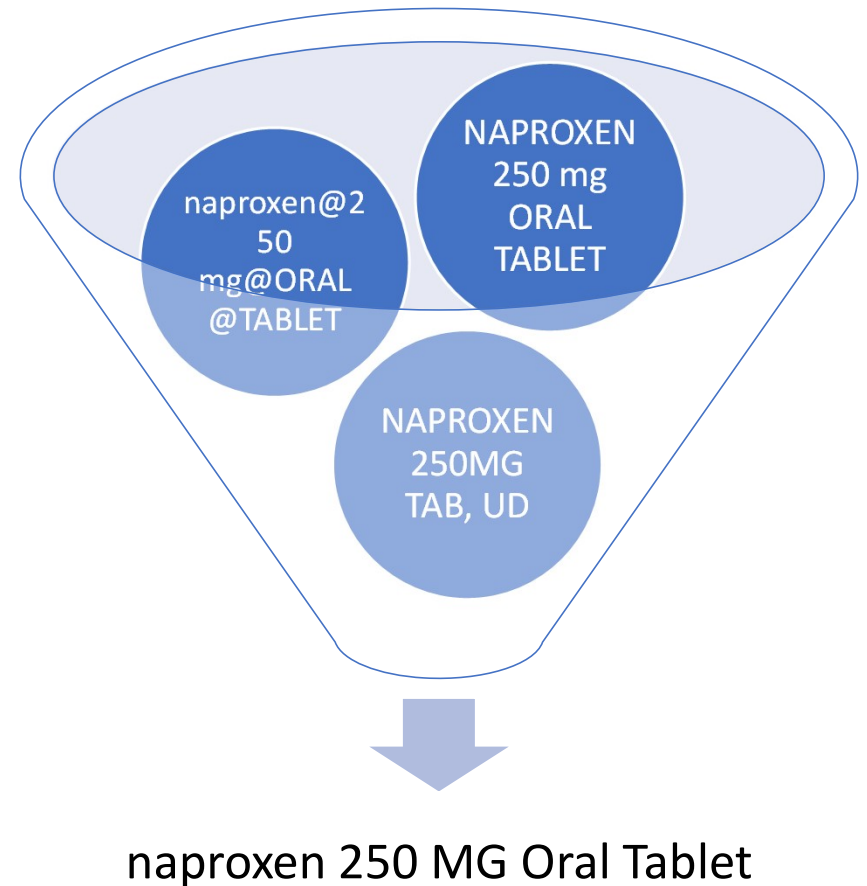
- Medication Name
- Medication Status (e.g. Prescribed, Administrated/Taken, Unknown)
- Date Medication Prescribed
- Duration of Prescription
- Date Medication Started
- Date Medication Ended
- None of the above

Proposed Medication Value Set



RxNorm

- Terminology that contains all medications (generic and branded) available on the US market.
- Receives drug names from many data sources and provides normalized names and unique identifiers for medicines and drugs.



Proposed Medication Value Set



Data Element	Definition	Value Set
Medication Name	Name of medication received for this condition	RxNorm

Proposed Value Set:

- *All* RxNorm values will be accepted and pass validation
- CDC program areas can create suggested condition-specific subsets of RxNorm values

Discussion Points:

- Will this fulfill the needs of the program areas?
- Will this be an aid or hinderance to jurisdictions?

Proposed Medication Status DE



Data Element	Definition	Value Set
Medication Status	Status of Medication	Prescribed Administered/Taken Unknown

Discussion Points:

- Is this data element helpful in differentiating between prescribed medications and prescribed and taken medication?
- Is the Value set sufficient?

Proposed Medication Duration



Data Element	Definition	Value Set
Duration of Prescription	Prescribed Duration (in days) of treatment	N/A (Numeric)
Date Medication Started	Date the medication was started	N/A (Date)
Date Medication Ended	Date the medication was ended	N/A (Date)

Discussion Points:

- Medication duration
 - prescribed duration
 - duration the medication taken
 - both?
 - What about refills?

Next Steps



- Look out for next steps via email.
- Upcoming team meetings:
 - 7/19 1-2pm ET – Identifiers
 - 8/9 1-2pm ET – Laboratory
 - 8/16 1-2pm ET– Reporting Source
 - [Link to Sign Up](#)
- The next large DSWG call will be on 30 August 2024.